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OIPE

#2

**RAW SEQUENCE LISTING**PATENT APPLICATION: US/09/848,806

DATE: 05/16/2001

TIME: 14:54:19

Input Set : A:\00786.389002.SEQLIST.TXT
Output Set: N:\CRF3\05162001\1848806.raw

4 <110> APPLICANT: Sheen, Jen 6 <120> TITLE OF INVENTION: Calcium Dependent Protein Kinase Polypeptides as Regulators of Plant Disease Resistance 10 <130> FILE REFERENCE: 00786/389002 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/848,806 C--> 12 <141> CURRENT FILING DATE: 2001-05-04 12 <150> PRIOR APPLICATION NUMBER: US 60/201,925 ENTERED 13 <151> PRIOR FILING DATE: 2000-05-05 15 <160> NUMBER OF SEQ ID NOS: 4 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0 19 <210> SEQ ID NO: 1 20 <211> LENGTH: 495 21 <212> TYPE: PRT 22 <213> ORGANISM: Arabidopsis thaliana 24 <400> SEQUENCE: 1 25 Met Glu Thr Lys Pro Asn Pro Arg Arg Pro Ser Asn Thr Val Leu Pro 5 10 27 Tyr Gln Thr Pro Arg Leu Arg Asp His Tyr Leu Leu Gly Lys Lys Leu 25 29 Gly Gln Gly Gln Phe Gly Thr Thr Tyr Leu Cys Thr Glu Lys Ser Thr 40 31 Ser Ala Asn Tyr Ala Cys Lys Ser Ile Pro Lys Arg Lys Leu Val Cys 55 33 Arg Glu Asp Tyr Glu Asp Val Trp Arg Glu Ile Gln Ile Met His His 70 35 Leu Ser Glu His Pro Asn Val Val Arg Ile Lys Gly Thr Tyr Glu Asp 90 37 Ser Val Phe Val His Ile Val Met Glu Val Cys Glu Gly Glu Leu 105 110 39 Phe Asp Arg Ile Val Ser Lys Gly His Phe Ser Glu Arg Glu Ala Val 120 125 41 Lys Leu Ile Lys Thr Ile Leu Gly Val Val Glu Ala Cys His Ser Leu 135 43 Gly Val Met His Arg Asp Leu Lys Pro Glu Asn Phe Leu Phe Asp Ser 150 155 45 Pro Lys Asp Asp Ala Lys Leu Lys Ala Thr Asp Phe Gly Leu Ser Val 165 170 47 Phe Tyr Lys Pro Gly Gln Tyr Leu Tyr Asp Val Val Gly Ser Pro Tyr 180 185 49 Tyr Val Ala Pro Glu Val Leu Lys Lys Cys Tyr Gly Pro Glu Ile Asp 195 200 51 Val Trp Ser Ala Gly Val Ile Leu Tyr Ile Leu Leu Ser Gly Val Pro 210 215 53 Pro Phe Trp Ala Glu Thr Glu Ser Gly Ile Phe Arg Gln Ile Leu Gln 230 235 55 Gly Lys Leu Asp Phe Lys Ser Asp Pro Trp Pro Thr Ile Ser Glu Ala

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245

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59 Ile Ser Ala His Glu Ala Leu Cys His Pro Trp Ile Val Asp Glu Gln
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61 Ala Ala Pro Asp Lys Pro Leu Asp Pro Ala Val Leu Ser Arg Leu Lys
        290
                           295
63 Gln Phe Ser Gln Met Asn Lys Ile Lys Lys Met Ala Leu Arg Val Ile
                       310
                                           315
65 Ala Glu Arg Leu Ser Glu Glu Glu Ile Gly Gly Leu Lys Glu Leu Phe
                   325
                                       330
67 Lys Met Ile Asp Thr Asp Asn Ser Gly Thr Ile Thr Phe Glu Glu Leu
               340
                                   345
69 Lys Ala Gly Leu Lys Arg Val Gly Ser Glu Leu Met Glu Ser Glu Ile
          355
                               360
71 Lys Ser Leu Met Asp Ala Ala Asp Ile Asp Asn Ser Gly Thr Ile Asp
                           375
                                               380
73 Tyr Gly Glu Phe Leu Ala Ala Thr Leu His Met Asn Lys Met Glu Arg
                       390
                                           395
75 Glu Glu Ile Leu Val Ala Ala Phe Ser Asp Phe Asp Lys Asp Gly Ser
76
                   405
                                       410
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77 Gly Tyr Ile Thr Ile Asp Glu Leu Gln Ser Ala Cys Thr Glu Phe Gly
78
              420
                                   425
79 Leu Cys Asp Thr Pro Leu Asp Asp Met Ile Lys Glu Ile Asp Leu Asp
80 435
                              440
81 Asn Asp Gly Lys Ile Asp Phe Ser Glu Phe Thr Ala Met Met Arg Lys
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98 acaacctatc tctgcacaga gaaatcaacc tccgctaatt acgcctgcaa atcgatcccg 240
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107 ttactcagcg gtgttcctcc cttctgggca gagactgagt ctggaatctt tagacagata 780
108 ttgcaaggga agttagattt caaatctgac ccgtggccta ctatctcaga agctgctaaa 840
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VERIFICATION SUMMARY DATE: 05/16/2001 PATENT APPLICATION: US/09/848,806 TIME: 14:54:20

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